Abstract

In this paper, we investigate architecture design for the smart environment of an intelligent video security system in an academic environment to achieve a high detection rate with a low false alarm rate for tracking human behavior in video sequences. This intelligent, real-time, and continuous monitoring system can access activity and recognition behavior track across a network of IP cameras. The system divided into two blocks: The first is the tracking system, which analyzes the movement pattern. The second is the decision system, which can define if the behavior is normal or abnormal and generate alarms. The experimental results for the real-time video streams show the design's effectiveness in recognizing and evaluating human activity.

References


Index Terms

Computer Science
Security

Keywords

Real-time detection  intelligent video security  behavior track detection  IP camera